COUNTY BOROUGH OF BURY.

REPORT

ON THE

Medical Inspection of School Children,

For the Year ending December 31st, 1918.

G. GRANVILLE BUCKLEY, M.D., D.P.H.,
School Medical Officer, Medical Officer of Health,
and
Chief Tuberculosis Officer.

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PUBLIC HEALTH DEPARTMENT,

CLOUGH STREET, BURY,

June 19th, 1919.

To the Chairman and Members of the Education Committee,
County Borough of Bury.

LADIES AND GENTLEMEN,

I beg to submit for your consideration my Annual Report on the Medical Inspection and Treatment of School Children during the year ended December 31st, 1918.

In the continued absence, on active service, of the Assistant Medical Officer, the whole of the work has devolved on myself.

The reduced size of the Report has been maintained in accordance with the suggestions of the Board of Education.

I take this opportunity of expressing my thanks to the Director of Education and his staff, the Head Teachers of the various schools, the clerical staff of the Health Department, and to the School Nurse (Miss L. H. Rishton) for the assistance they have given me, and to you, Ladies and Gentlemen, for your courtesy and kind sympathy.

I am, Ladies and Gentlemen,

Your obedient Servant,

G. GRANVILLE BUCKLEY

County Borough of Bury.

MEDICAL INSPECTION OF SCHOOL CHILDREN.

I.—METHODS.

The methods adopted during 1918 were similar to those detailed in previous Reports, and need not be repeated here. The groups of children inspected are :—

1. "Entrants."
2. "Leavers."
3. "Special Cases."

II.—RESULTS.

Number of Visits to Schools and Departments.

Number of visits for Medical Inspection	86
,, ,, other purposes	69
Total	155

Number of Examinations made during the year.—The total number of examinations made during 1918 was 2,908, and was made up as follows :—

Routine Inspection	"Entrants"	871
	"Leavers" (aged 12 and 13)	630
	"Specials"	70
Re-Inspection	New Cases...	418
	Old Cases	305
Other Cases examined at Office		684
		2908

At the routine inspections 419 entrants and 74 leavers were absent.

In addition to the above, a large number of children were examined for dirty and verminous conditions, signs of infectious disease, &c.

In Table I. at the end of the Report will be found particulars as to the age and sex of the children inspected, while Table II. shows their physical condition.

There has been a marked improvement in the cleanliness of the children and in the condition of their clothing and footgear.

The attendance of parents at the inspection was as follows :—

"Leavers"	6 per cent.
"Entrants"	31 ,,

Special Cases.

When the Medical Officer visits a school for the purpose of Medical Inspection, advantage is taken of the opportunity to examine such children (not falling into either of the two classes, "Entrants" and "Leavers") as have been noticed by the teachers to be suffering from some palpable disease or defect. The total number of such children brought to the notice of the Medical Officer during the year was 70, a decrease of 15 upon the number examined in 1917. A summary of the diseases and defects discovered will be found in Table II. (page 11).

Miscellaneous Examinations.

These consist of children examined at the office and comprise such minor ailments as dirty and verminous conditions, ringworm, impetigo, &c. Saturday morning of each week is set apart for the examination of these children at the Health Office, but many children attend at other times.

During the year 684 examinations have been made of 165 children :—

	No. of Children Affected.	No. of Examinations.
Dirty and verminous conditions	52	208
Skin, Ringworm...	18	62
,, Impetigo	21	79
,, Scabies	36	199
,, Other...	2	4
Eye Disease and Defects	22	90
Tuberculosis, Lungs	1	3
,, Glands...	3	13
,, Bone	1	2
,, Other...	1	1
Nose and Throat	2	6
Heart and Circulation	1	2
Nervous System...	1	5
Various...	4	10
Totals	165	684

III.—TREATMENT.

The methods employed or available for the treatment of defects are as in former years, and have been fully detailed in previous reports. Owing to the strain on the resources of the local hospital considerable delay has arisen in obtaining treatment at that institution.

Table IV. shows the number of defects treated during 1918.

Tuberculosis.—The following table gives particulars of school children, suffering from Tuberculosis, who have received Institutional Treatment during the year :—

Initials.	Age.	Institution.	Admitted.	Discharged.	Length of Stay.
R.J.	13	...Bury Dispensary.....	Aug. 10/17.	Undischarged Dec. 31/18...	509 days
N.C.....	11	... ,, ,, ...	Aug. 10/17.	July 15/18 ..	340 ,,
L.F.	12	...Children's Sanatorium, Southport	Nov. 18/17.	Undischarged Dec. 31/18...	409 ,,
T.J.	13	...Ainsworth Sanatorium	Nov. 21/17.	Undischarged Dec. 31/18...	406 ,,
J.R.	9	...Bowdon Sanatorium	Nov. 29/17.	May 30/18...	183 ,,
G.C. ...	12	... ,, ,, ...	Feb. 15/18.	Apr. 13/18...	58 ,,
E.K.....	8	... ,, ,, ...	Mar. 23/18.	Jun. 1/18...	71 ,,

Diseases of the Eye.—During the year children were examined by the ophthalmic surgeon. Spectacles were prescribed in cases, and of these have obtained glasses.

In cases the parents were considered too poor to pay for spectacles, and the cost was defrayed, wholly or in part, by the Local Authority.

IV.—INFECTIOUS DISEASE.

During the year 1918 the following cases of Infectious Disease occurring among school children were notified to the Medical Officer of Health :—

Enteric Fever	1
Scarlet Fever	36
Diphtheria	69
Measles	211
Chicken-Pox	65

Closure of Schools.—During the year the following schools have been closed on account of the prevalence of Infectious Disease among the scholars :—

School and Department.	Period Closed.	Reason for Closure
All Saints', Mixed	June 28th to July 12th	Influenza
,, ,, ,,	Oct. 28th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
All Saints', Infants	June 28th to July 12th	,,
,, ,, ,,	Oct. 22nd to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Bircle, Mixed	June 28th to July 12th	,,
,, ,,	Oct. 29th to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Bircle, Infants'	June 28th to July 12th	,,
,, ,,	Oct. 29th to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Brunswick, Mixed	June 27th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Brunswick, Infants'	June 27th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Chesham, Mixed	June 25th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Chesham, Infants'	Feb. 1st to Feb. 22nd	Measles
,, ,,	June 25th to July 12th	Influenza
,, ,,	Nov. 12th to Dec. 20th	,,
Christian Church, Mixed	June 28th to July 12th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Christian Church, Infants'	Feb. 4th to Feb. 22nd	Measles
,, ,, ,,	June 28th to July 12th	Influenza
,, ,, ,,	Nov. 12th to Dec. 20th	,,

School and Department.	Period Closed.	Reason for Closure
Clerke Street, Mixed	June 27th to July 12th	Influenza.
,, ,, ,,	Nov. 8th to Dec. 20th	,,
Clerke Street, Infants'	June 27th to July 12th	,,
,, ,, ,,	Nov. 8th to Dec. 20th	,,
East Ward Council, Mixed	June 27th to July 12th	,,
,, ,, ,, ,,	Nov. 8th to Dec. 20th	,,
East Ward Council, Infants'	Jan. 14th to Feb. 1st	Measles
,, ,, ,, ,,	June 27th to July 12th	Influenza
,, ,, ,, ,,	Nov. 8th to Dec. 20th	,,
Elton Council, Mixed	June 27th to July 12th	,,
,, ,, ,,	Oct. 29th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Elton Council, Infants'	Jan. 28th to Feb. 15th	Measles
,, ,, ,,	June 27th to July 12th	Influenza
,, ,, ,,	Oct. 29th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
George Street, Mixed	June 26th to July 12th	,,
,, ,, ,,	Nov. 1st to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
George Street, Infants'	June 26th to July 12th	,,
,, ,, ,,	Nov. 1st to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Guardian Angels', Mixed	June 28th to July 12th	,,
,, ,, ,,	Oct. 28th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Guardian Angels', Infants'	June 28th to July 12th	,,
,, ,, ,,	Oct. 28th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Holy Trinity, Mixed	June 27th to July 12th	,,
,, ,, ,,	Nov. 5th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Holy Trinity, Infants'	Jan. 7th to Jan. 18th	Measles
,, ,, ,,	June 27th to July 12th	Influenza
,, ,, ,,	Oct. 30th to Dec. 20th	,,
Parish Church, Mixed	June 27th to July 12th	,,
,, ,, ,,	Oct. 29th to Nov. 8th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
Parish Church, Infants'	June 27th to July 12th	,,
,, ,, ,,	Oct. 28th to Dec. 20th	,,
St. Chad's, Mixed	July 2nd to July 12th	,,
,, ,,	Oct. 21st to Oct. 25th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Chad's, Infants	July 2nd to July 12th	,,
,, ,,	Oct. 21st to Oct. 25th	,,
,, ,,	Nov. 11th to Dec. 20th	,,
St. Joseph's, Mixed	June 26th to July 12th	,,
,, ,,	Nov. 8th to Dec. 20th	,,
St. Joseph's, Infants	June 26th to July 12th	,,
,, ,,	Nov. 7th to Dec. 20th	,,
St. John's, Mixed	June 26th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. John's, Infants'	Jan. 7th to Jan. 25th	Measles
,, ,,	June 26th to July 12th	Influenza
,, ,,	Nov. 12th to Dec. 20th	,,
St. Mark's, Mixed	June 27th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,

School and Department.	Period Closed.	Reason for Closure
St. Mark's, Infants'	Jan. 8th to Jan. 25th	Measles
,, ,,	June 27th to July 12th	Influenza
,, ,,	Nov. 12th to Dec. 20th	,,
St. Mary's, Mixed	June 28th to July 12th	,,
,, ,,	Nov. 6th to Dec. 20th	,,
St. Mary's, Infants'	June 28th to July 12th	,,
,, ,,	Nov. 6th to Dec. 20th	,,
St. Paul's (Bell), Mixed	June 25th to July 12th	,,
,, ,, ,,	Nov. 12th to Dec. 20th	,,
St. Paul's (Bell), Infants'	Jan. 10th to Jan. 25th	Measles
,, ,, ,,	June 25th to July 12th	Influenza
,, ,, ,,	Nov. 6th to Dec. 20th	,,
St. Paul's (Huntley), Mixed	June 25th to July 12th	,,
,, ,, ,,	Nov. 4th to Dec. 20th	,,
St. Paul's (Huntley), Infants'	Jan. 7th to Jan. 25th	Measles
,, ,, ,,	June 25th to July 12th	Influenza
,, ,, ,,	Nov. 4th to Dec. 20th	,,
St. Peter's, Mixed	June 28th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Peter's, Infants'	June 28th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Stephen's, Mixed	June 27th to July 12th	,,
,, ,,	Oct. 28th to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Stephen's, Infants'	Jan. 8th to Jan. 25th	Measles
,, ,,	June 27th to July 12th	Influenza
,, ,,	Oct. 28th to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Thomas's, Mixed	June 28th to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
St. Thomas's, Infants'	Jan. 17th to Feb. 8th	Measles & Whooping Cough.
,, ,,	June 28th to July 12th	Influenza
,, ,,	Nov. 5th to Dec. 20th	,,
Walmersley, Mixed	June 28th to July 12th	,,
,, ,,	Oct. 31st to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 22nd	,,
Walmersley, Infants'	June 28th to July 12th	,,
,, ,,	Oct. 28th to Nov. 8th	,,
,, ,,	Nov. 12th to Dec. 20th	,,
Warth Fold, Infants'	July 1st to July 12th	,,
,, ,,	Nov. 12th to Dec. 20th	,,

Education (Provision of Meals) Act, 1906.

No necessity has arisen during the year to put the Act into force.

SUMMARY of the Work of the SCHOOL NURSE during the year 1918.

379 ~~882~~ visits have been paid to the various school departments. This number is made up as follows :—

134 ~~86~~ visits with the Medical Officer to assist at the routine inspection.

2,445 ~~296~~ visits for other purposes—examination of children for cleanliness, &c.

1,436 ~~1,400~~ visits and re-visits have been made to the homes of dirty children and children found on Medical Inspection to be suffering from some disease or defect.

Visits were paid to all the schools for the purpose of giving instruction to the children, especially the girls, in personal cleanliness, the care of the hair, &c., and ~~6,000~~ children were inspected for cleanliness. 10,765

21 ~~Nine~~ visits have been made to the Ophthalmic Surgeon's rooms to assist in the examination of children with defective vision, and in the case of the children examined by him ~~[illegible]~~ 115 atropine has been introduced into the children's eyes by the nurse on the day previous to examination.

Note :—The following Tables, I., II., and IV., are prescribed by the Board of Education. It has not been possible this year to obtain the particulars required for Tables III. and V.

TABLE I. Number of Children Inspected 1st January, 1918, to 31st December, 1918.

A—"Code" Groups.

Age.	Entrants.						Intermediate Group.	Leavers.					Grand Total.
	3	4	5	6	Other Ages.	Total.	8	12	13	14	Other Ages.	Total	
Boys	80	140	165	54	3	442	—	292	15	—	—	307	749
Girls	76	141	172	37	3	429	—	316	7	—	—	323	752
Totals...	156	281	337	91	6	871	—	608	22	—	—	630	1501

B—Groups other than "Code."

	Intermediate Group (other than 8 years).	Special Cases.	Re-Examinations (i.e., No. of Children Re-Examined).
Boys	—	35	723
Girls	—	35	
Totals.....	—	70	723

TABLE II.—Return of Defects found in the course of Medical Inspection in 1918.

Defects or Disease.	Code Groups.		Specials.	
	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.	Number referred for Treatment.	Number requiring to be kept under observation, but not referred for Treatment.
1	2.	3.	4.	5.
Malnutrition	..	26	..	..
Uncleanliness: Head	103	..	..	..
Body...	12	..	..	..
Skin: Ringworm, head...	..	..	..	
Ringworm, body	2	..	..	..
Scabies	..	..	..	..
Impetigo	5	..	..	.
Other disease...	2	..	..	..
Eye: Defective Vision and Squint	154	..	46	..
External eye disease...	23	..	2	..
Ear: Defective hearing...	27	..	..	..
Ear disease	26	..	..	.
Teeth: Dental disease...	547	..	..	..
Nose and Throat: Enlarged Tonsils...	63	91	2	..
Adenoids...	20	7	5	..
Defective speech...	..	3	..	..
Heart and Circulation: Heart disease, organic ...	14	..	1	..
Heart disease, functional	12	..	2	..
Anæmia...	6	..	..	..
Lungs: Pulmonary tuberculosis—Definite	3	..	..	..
Suspected ...	3	1	..	..
Chronic bronchitis...	12	..	..	..
Other disease	1	..	..	..
Nervous System: Epilepsy...		..	..	..
Chorea...	..	..	..	..
Other disease	1	..	..	..
Non-Pulmonary Tuberculosis: Glands...	1		..	..
Bones and Joints	1	..	..	..
Other forms	..	..	..	..
Rickets	4	..	..	..
Deformities...	10	..	..	..
Other defects or diseases	6	..	8	..

TABLE IV.—Treatment of Defects of Children during 1918.

Condition.	No. of Defects for which treatment was considered necessary.			No. of defects for which no report is available.	No. of defects treated.	Results of Treatment.			No. of defects not treated.	Percentage of defects treated.
	From previous year.	New.	Total.			Remedied.	Improved.	Uncl'ng'd		
Clothing	..	4	4	1	3	3	..	..	.	100.00
Footgear	..	2	2	2	..	..	..	..	..	..
Cleanliness of Head	38	103	141	36	99	91	8	..	6	94·28
Cleanliness of Body	17	12	29	13	16	13	3	..	..	100·00
Nutrition	..		..	..	..	..	..	..	..	..
Nose and Throat	62	85	147	28	107	61	43	3	12	88·99
External Eye Disease	14	28	42	21	21	11	10	..	..	100·00
Ear Disease	4	6	10	4	6	2	2	2	..	100·00
Teeth	..	347	347	116	19	..	18	1	212	91·77
Heart and Circulation	18	32	50	19	28	5	13	10	3	90·32
Lungs	9	5	14	6	8	5	3		..	100·00
Nervous System	..	1	1	..	1	..	1	..	..	100·00
Skin	10	9	19	7	9	6	2	1	3	75·00
Rickets	1	4	5	2	2	.	2	..	1	66·67
Deformities	..	10	10	8	2	2	..	..	..	100·00
Tuberculosis—Non-Pulmonary	..	2	2	1	1	1	..	..	..	100·00
Speech	..	10	10	7	1	..	1	..	2	33·33
Mental Condition		5	5	..	..	..	..	..	..	..
Vision and Squint	12	155	167	36	116	69	37	10	15	88·55
Hearing	..	15	15	5	9	7	1	1	1	90·00
Miscellaneous	..	15	15	5	9	7	1	1	1	90·00
Total	185	832	1033	317	457	283	145	29	266	63·21